

**WHAT IS CLAIMED IS:**

1. A method for transmitting two related channels of signals through the air, the method comprising:
  - modulating a first channel of signals with a first carrier frequency;
  - modulating a second channel of signals with a second carrier frequency;
  - combining the modulated first channel of signals and the second channel of signals through a high isolation combiner;
  - transmitting the combined signals to a receiver system; and
  - regenerating the first channel and the second channel of signals in the receiver system by separating one from the other.